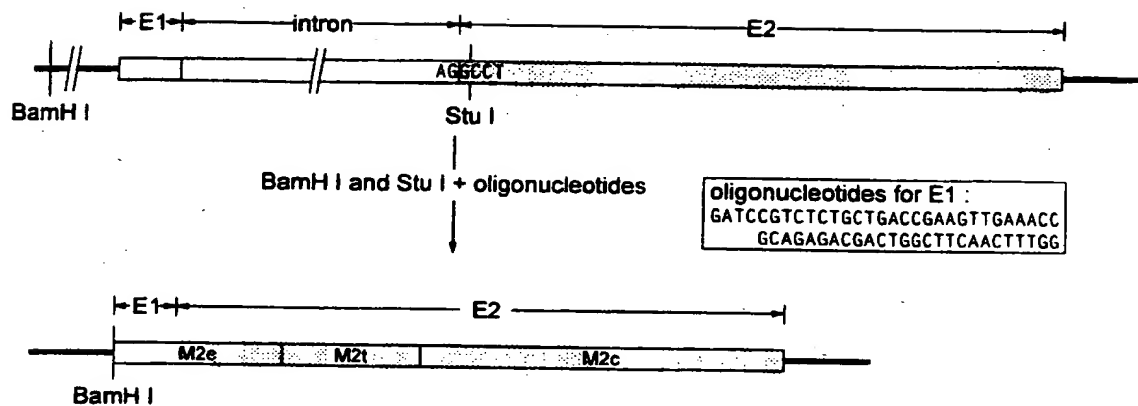


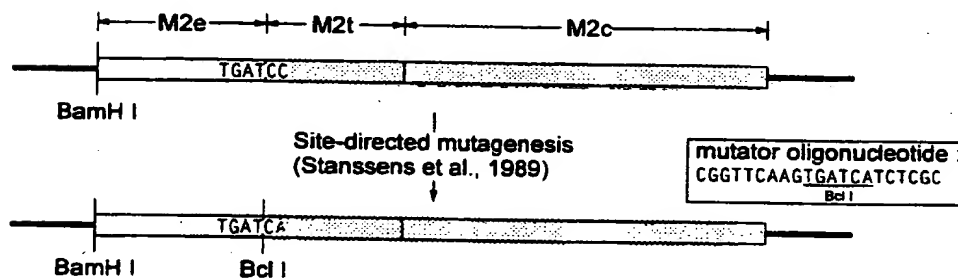
1/35

Figure 1

A



B

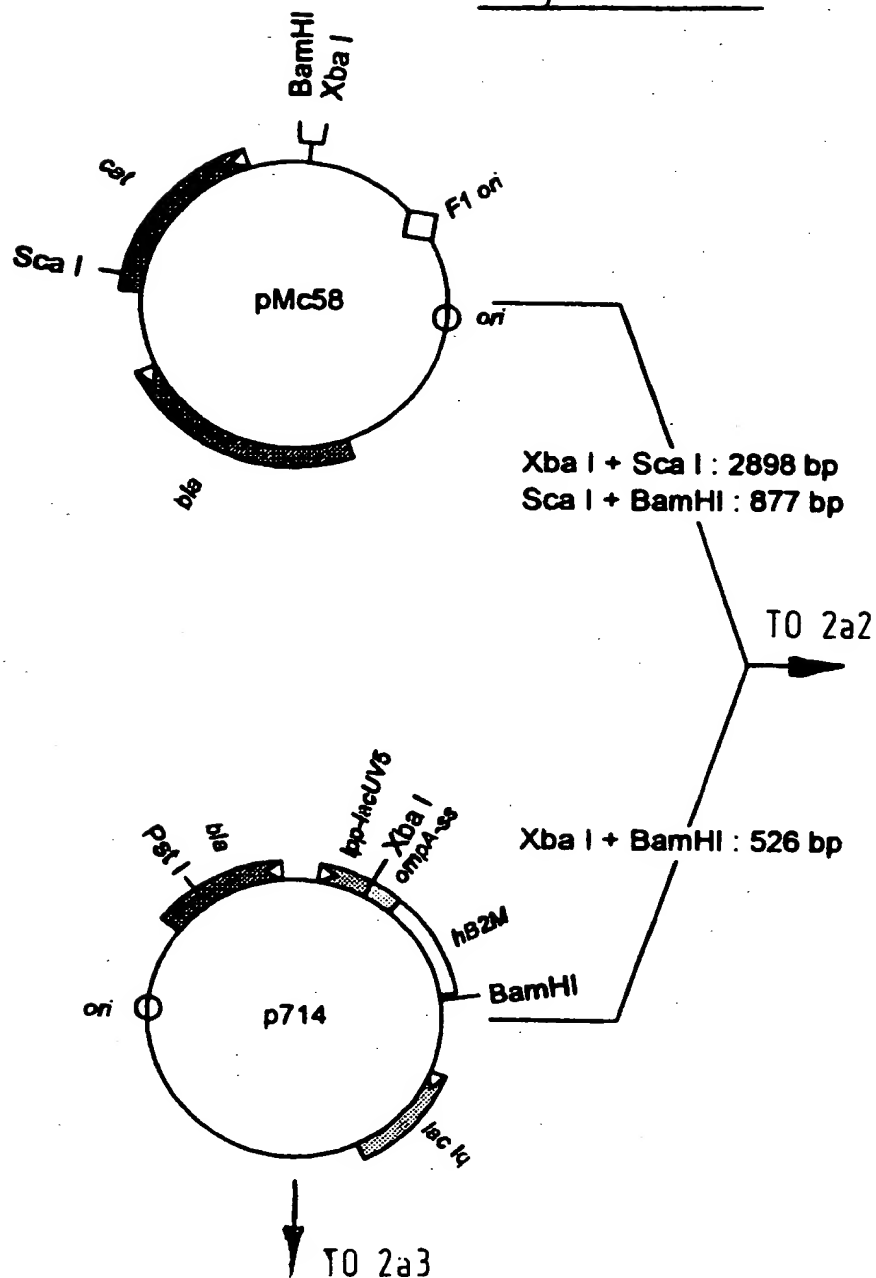


C

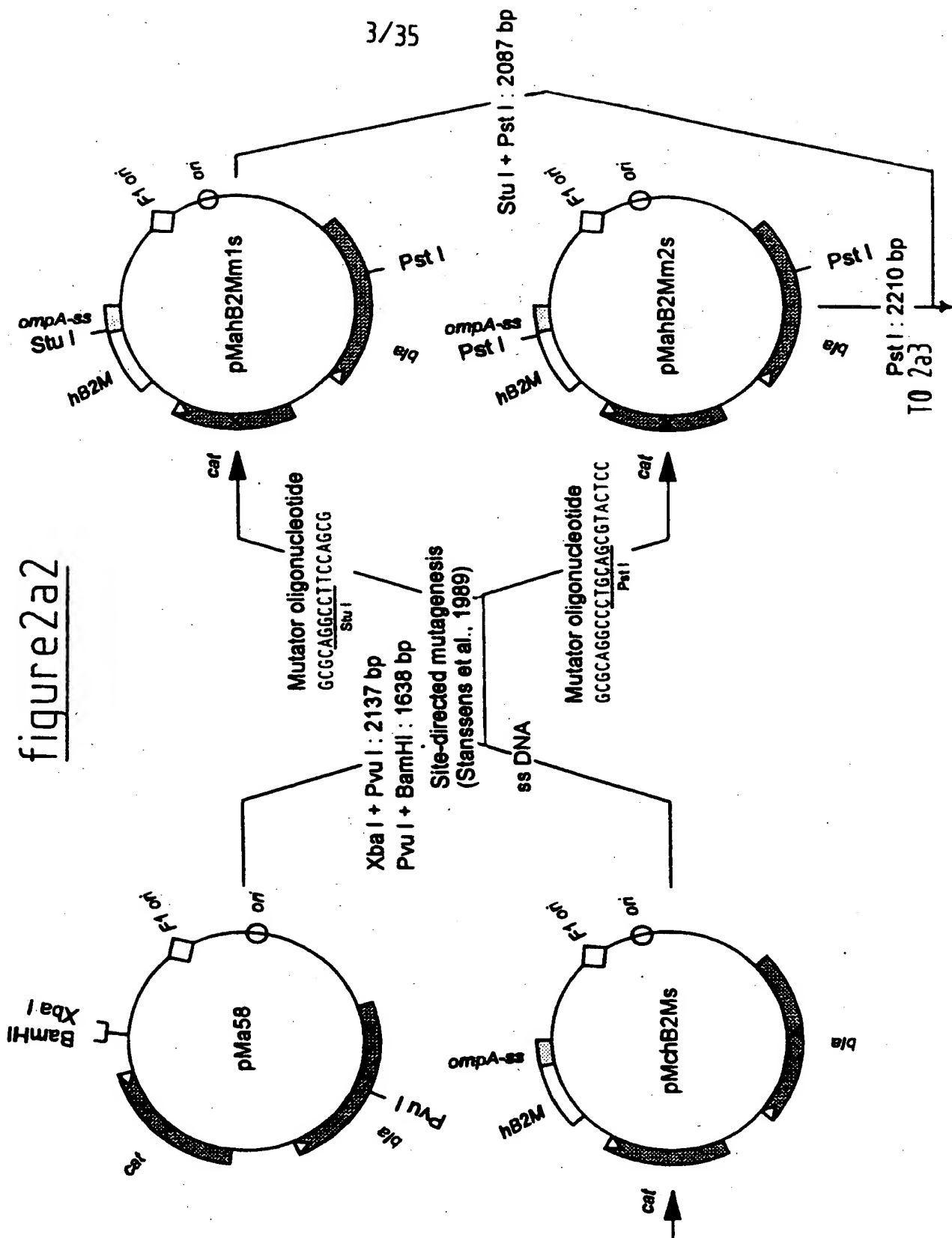
	2	3	4	5	6	7	8	9	10	11
Nucleotide sequence :	TCT	CTG	CTG	ACC	GAA	GTT	GAA	ACC	CCT	ATC
Amino acid sequence :	Ser	Leu	Leu	Thr	Glu	Val	Glu	Thr	Pro	Ile

	12	13	14	15	16	17	18	19	20	21	22	23	24
	AGA	AAC	GAA	TGG	GGG	TGC	AGA	TGC	AAC	GGT	TCA	AGT	GAT
	Arg	Asn	Glu	Trp	Gly	Cys	Arg	Cys	Asn	Gly	Ser	Ser	Asp

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figure 2a1

3/35



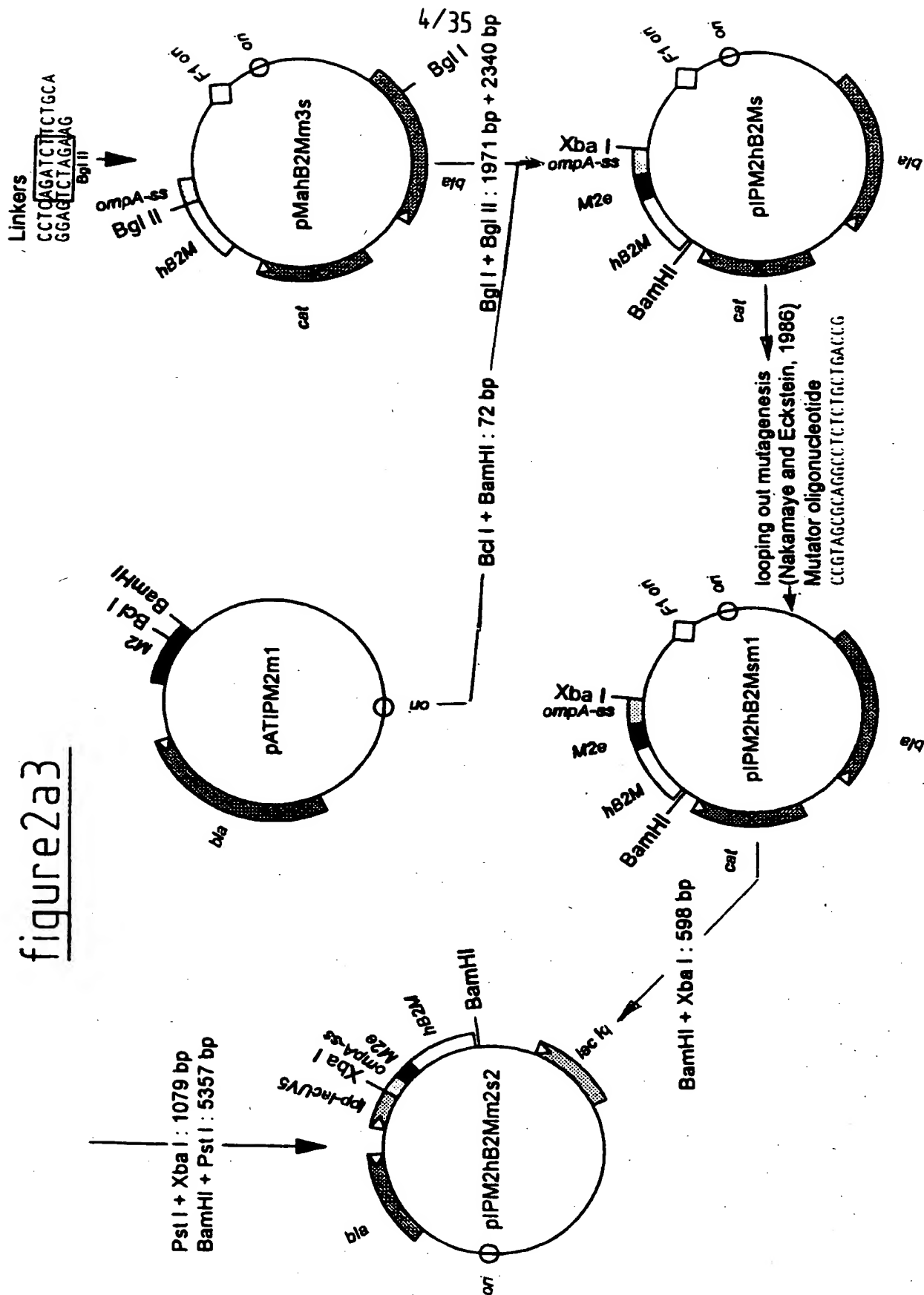
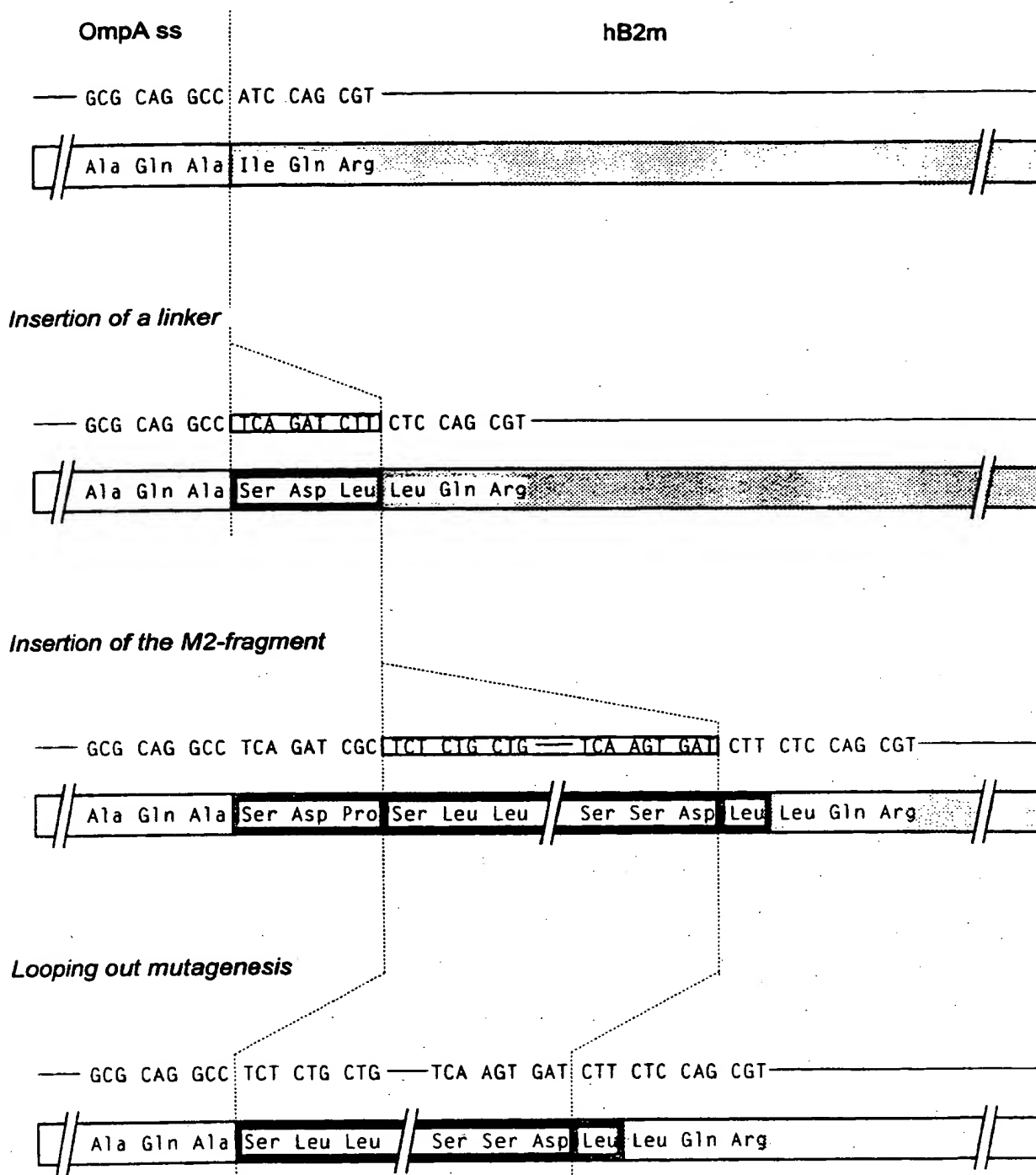
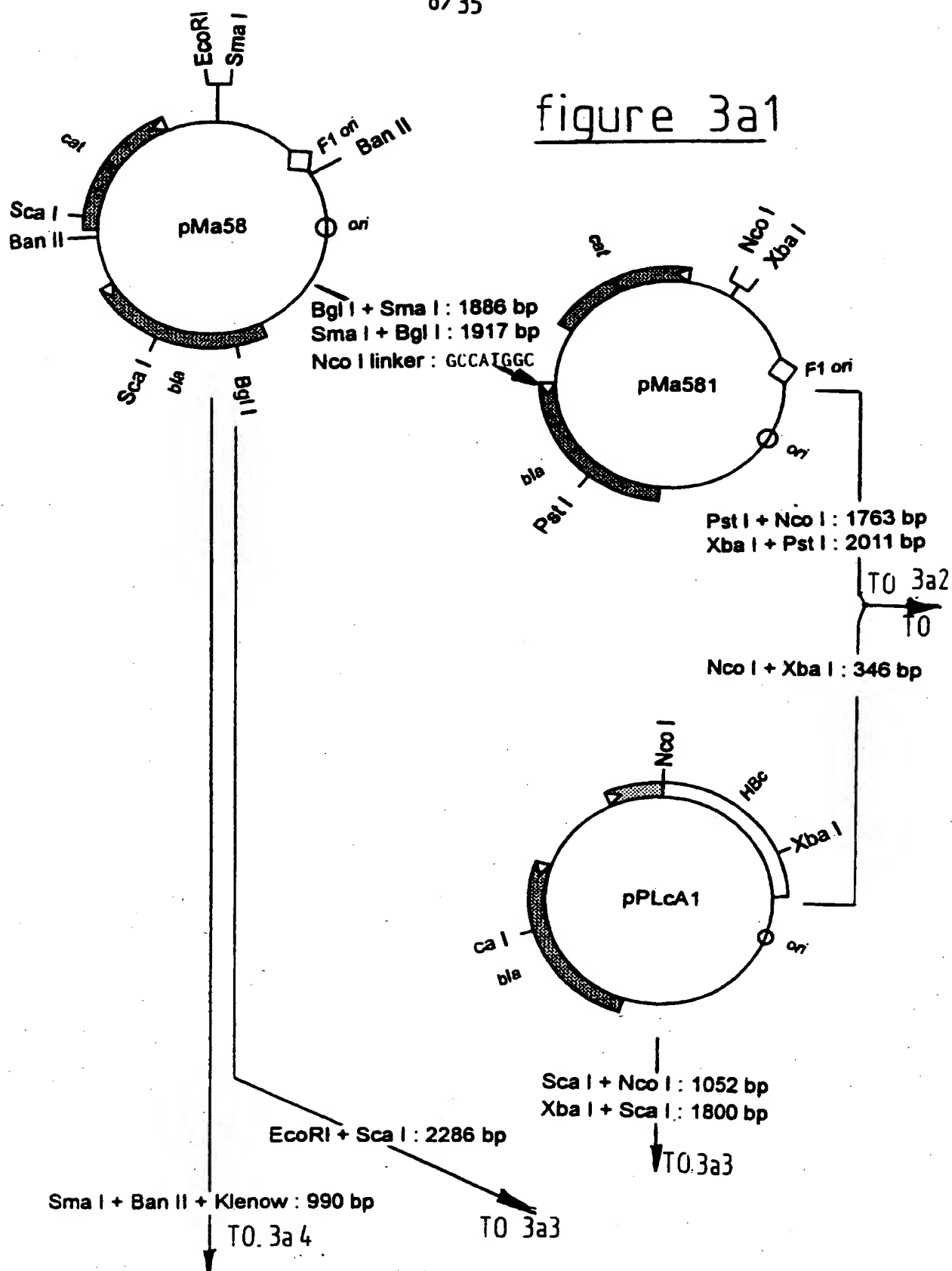


Figure 2b



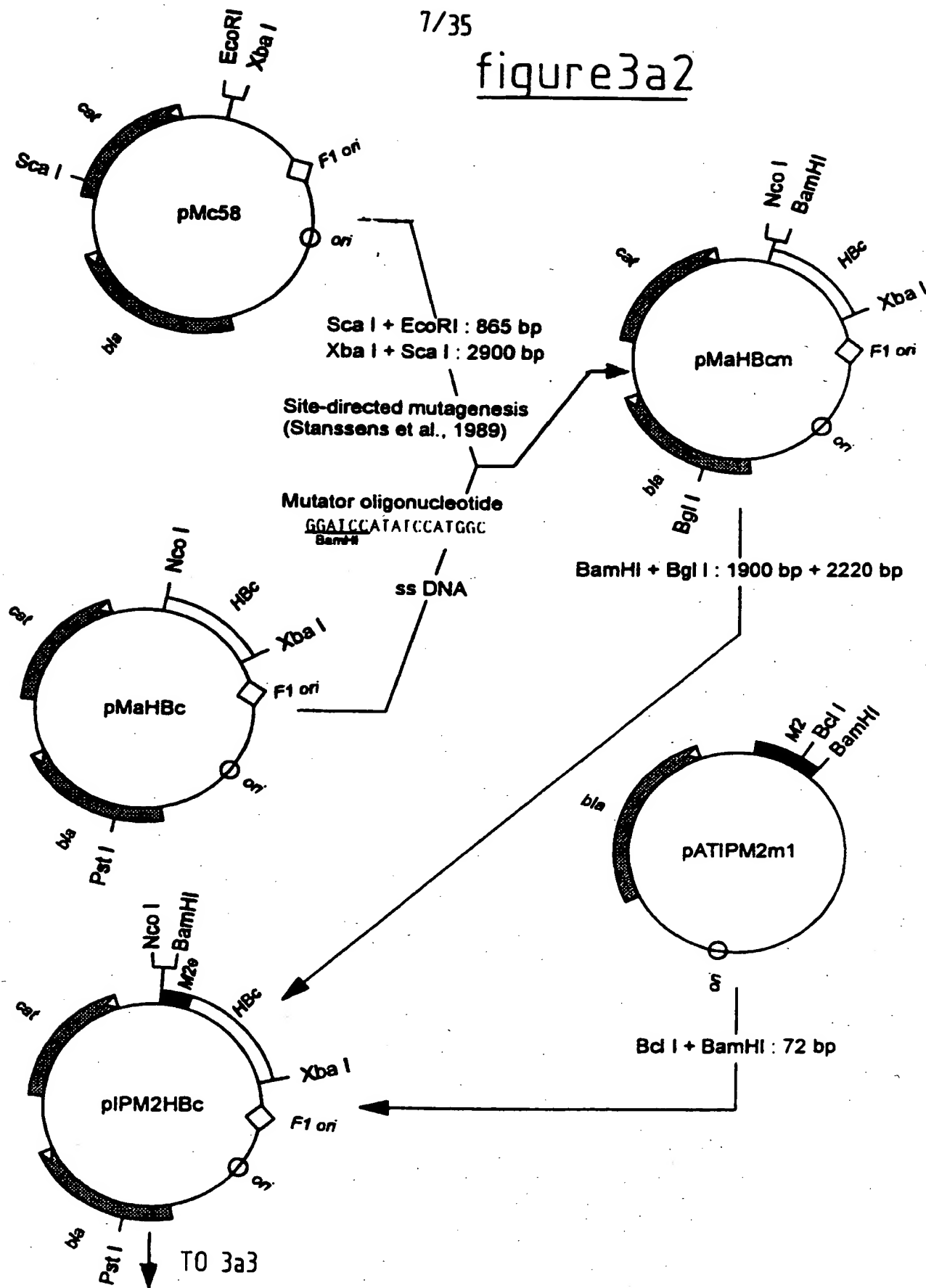
6/35

figure 3a1

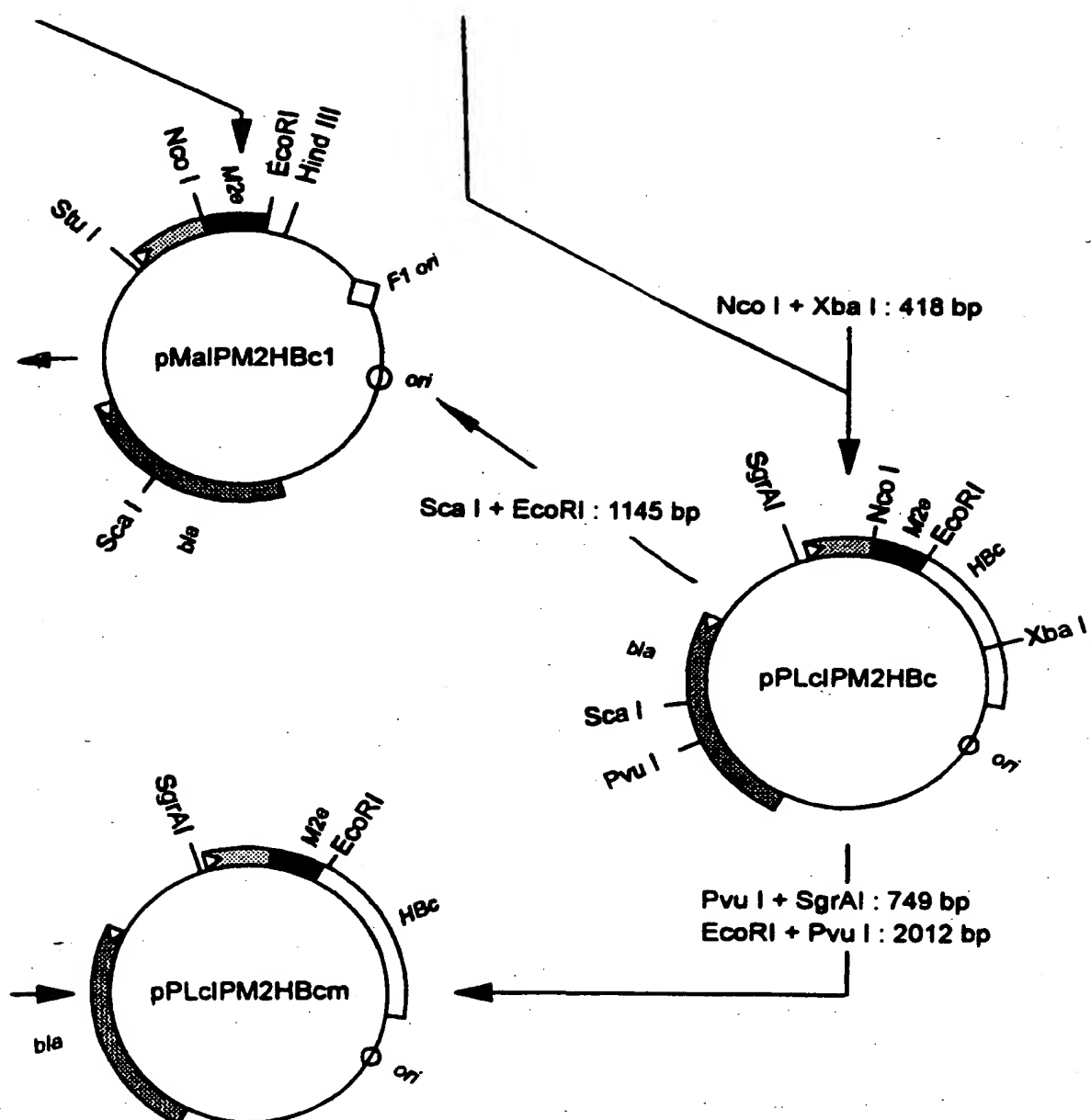


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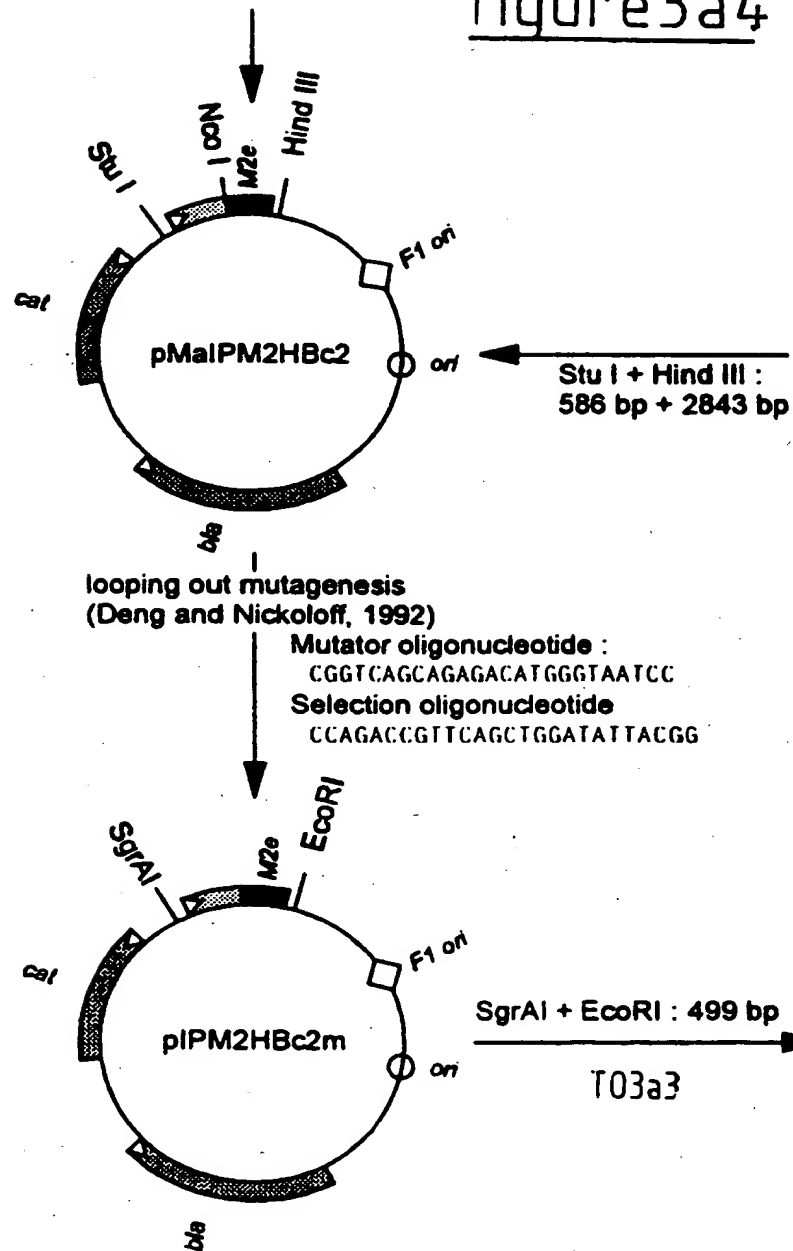
figure3a2



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figure3a3

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figure 3a4

10/35

Figure 3b

Hepatitis B core						
1	2	3	4	5	6	...
Met	Asp	Ile	Asp	Pro	Tyr	...
ATG	GAT	ATC	GAT	CCT	TAT	...
						wild type
Hepatitis B core						
Met	Asp	Met	Asp	Pro	Tyr	...
ATG	GAT	ATG	GAT	CCT	TAT	...
						mutant
						Bam HI

Figure 3c

HBc

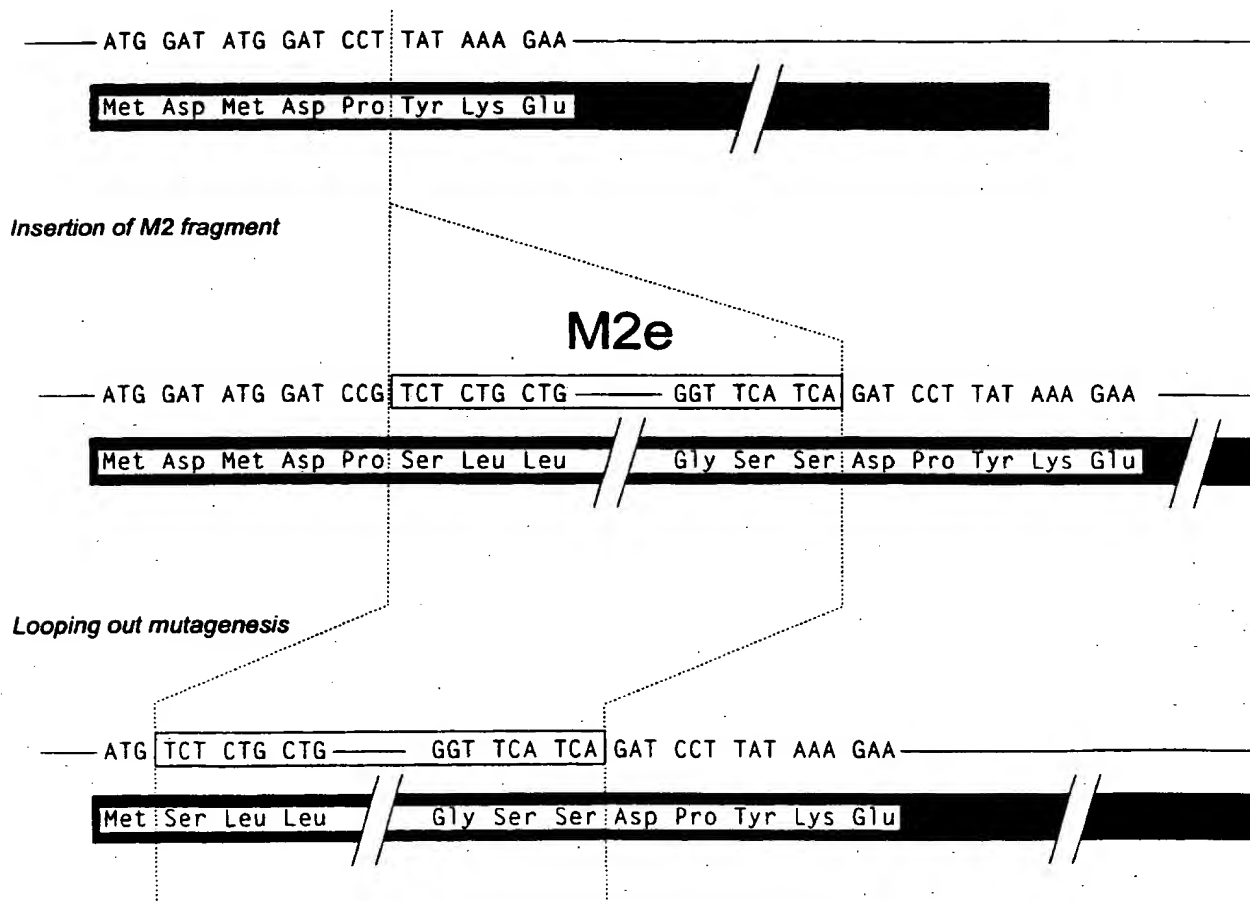


Figure 4

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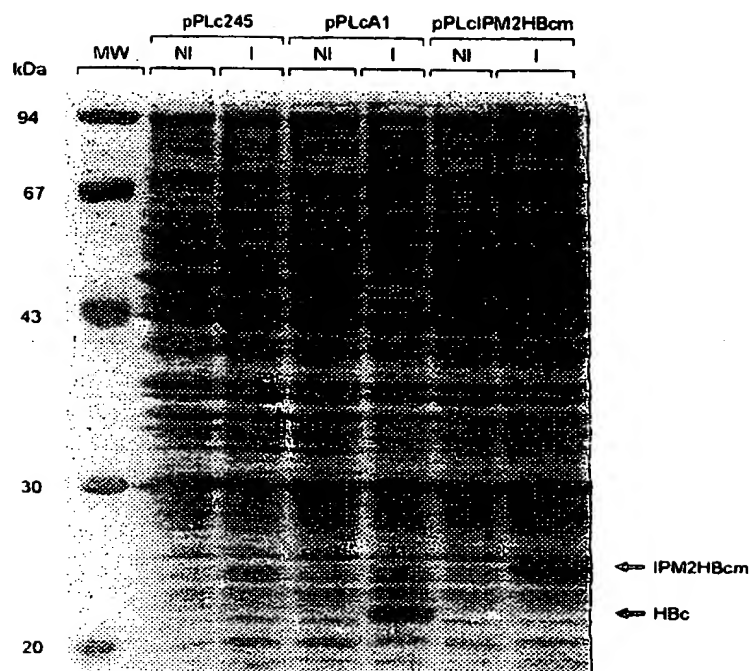
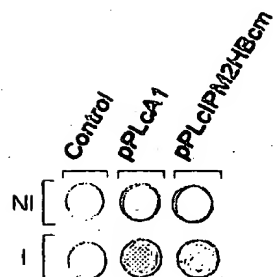
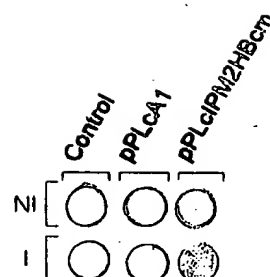


Figure 7

A.



B.



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Figure 5

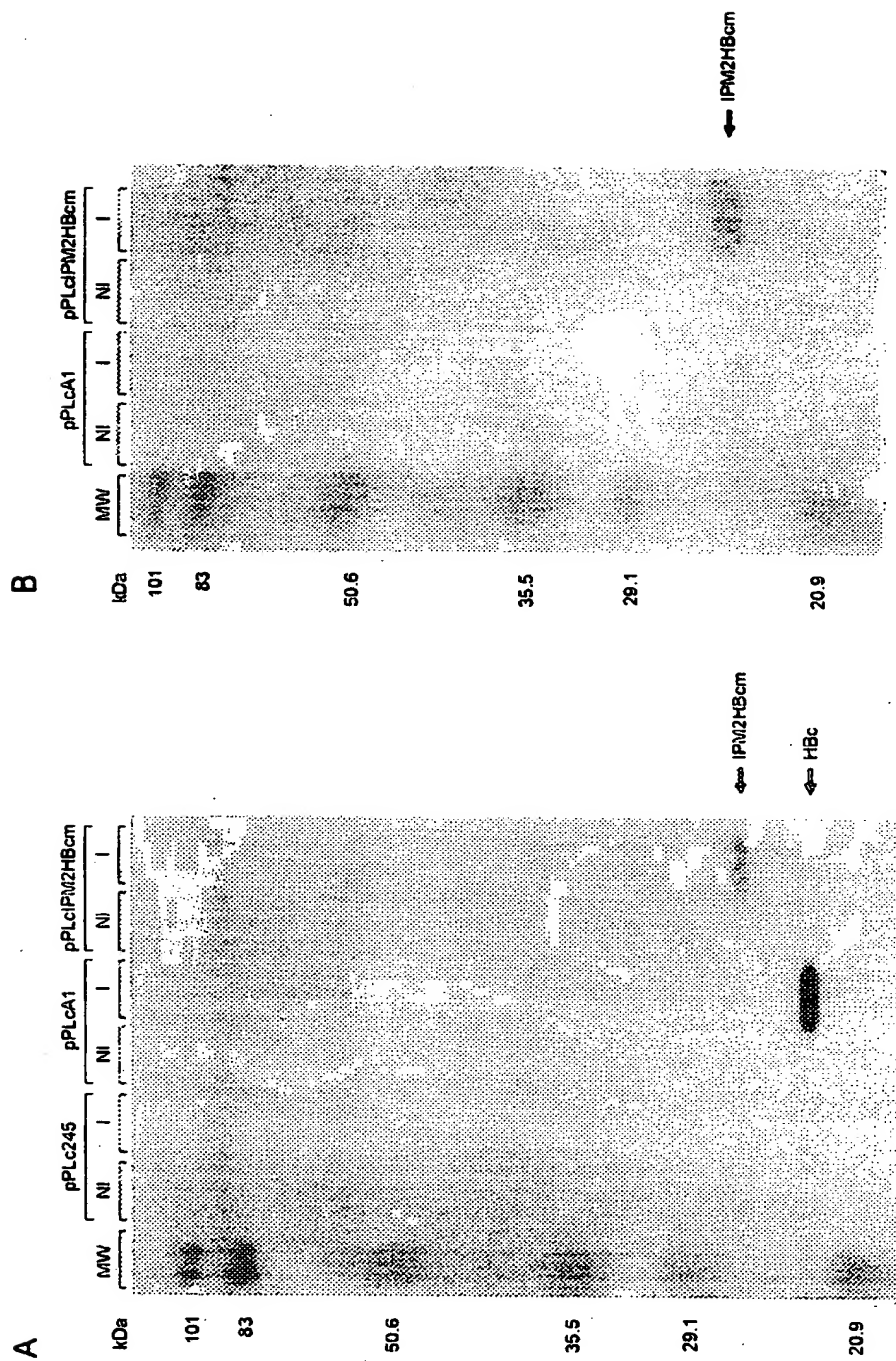


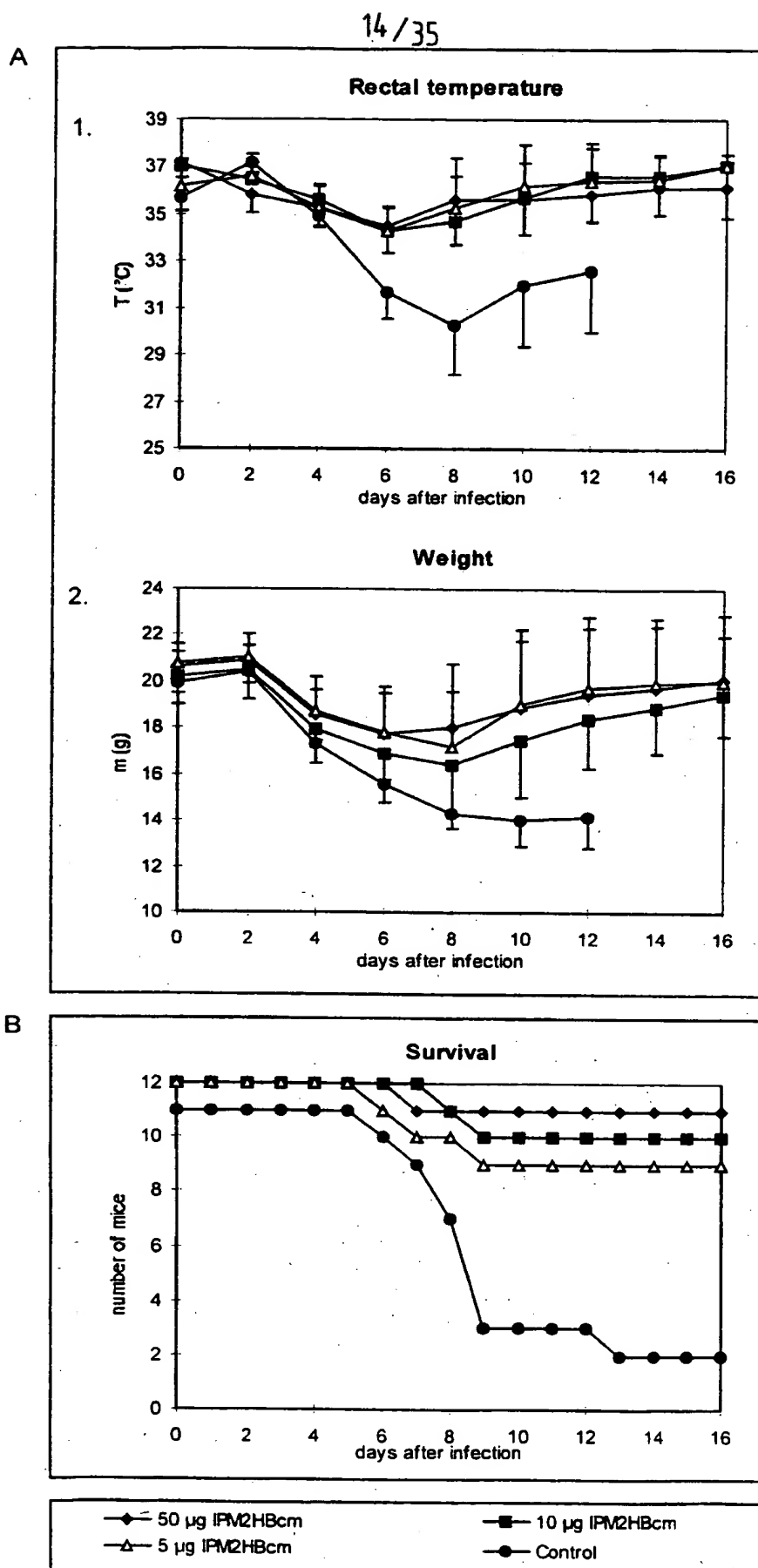
Figure 6

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ATG TCT CTG CTG ACC GAA GTT GAA	Nucleotide sequence of <i>ipm2hbcm</i>
Met Ser Leu Leu Thr Glu Val Glu	Translated amino acid sequence
Ser Leu Leu Thr Glu Val Glu	Amino terminus of the fusion protein IPM2HBcm
Ser Leu Leu Thr Glu Val Glu	Amino terminus of the M2 protein of A/Udm/72

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Figure 8



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fig.8D

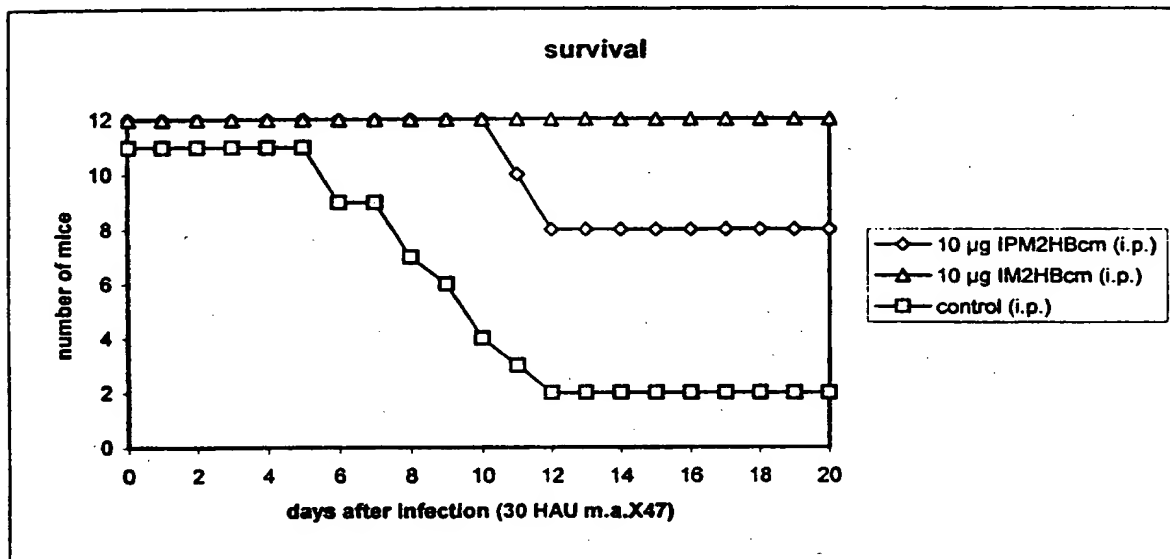
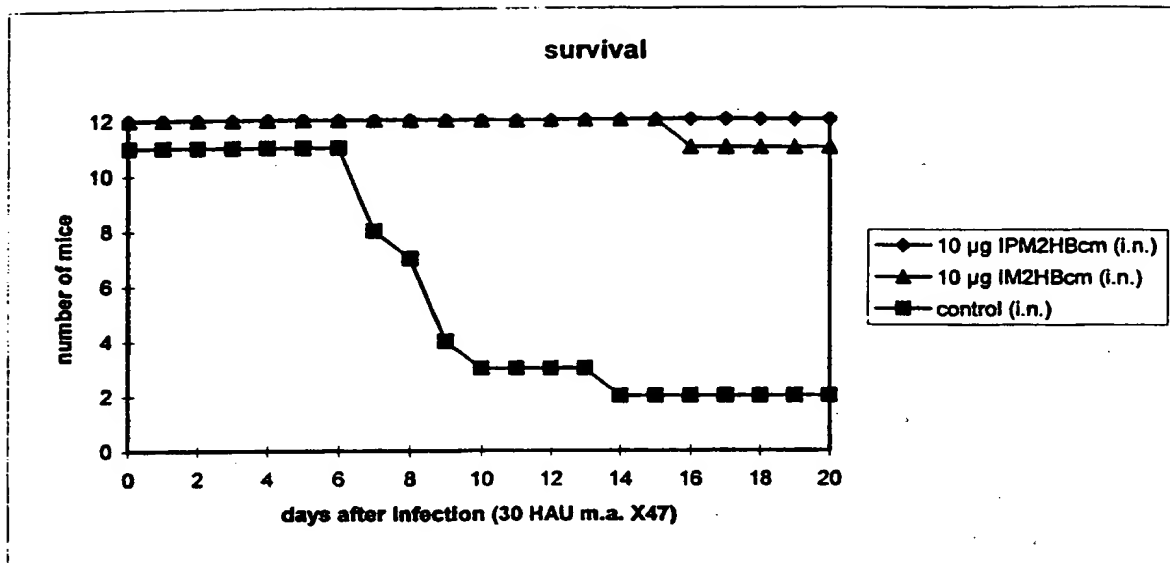


fig.8C

	surviving mice
10 µg IPM2HBcm (i.n.)	12/12
10 µg IM2HBcm (i.n.)	11/12
control (i.n.)	2/11
10 µg IPM2HBcm (i.p.)	8/12
10 µg IM2HBcm (i.p.)	12/12
control (i.p.)	2/12

Figure 9

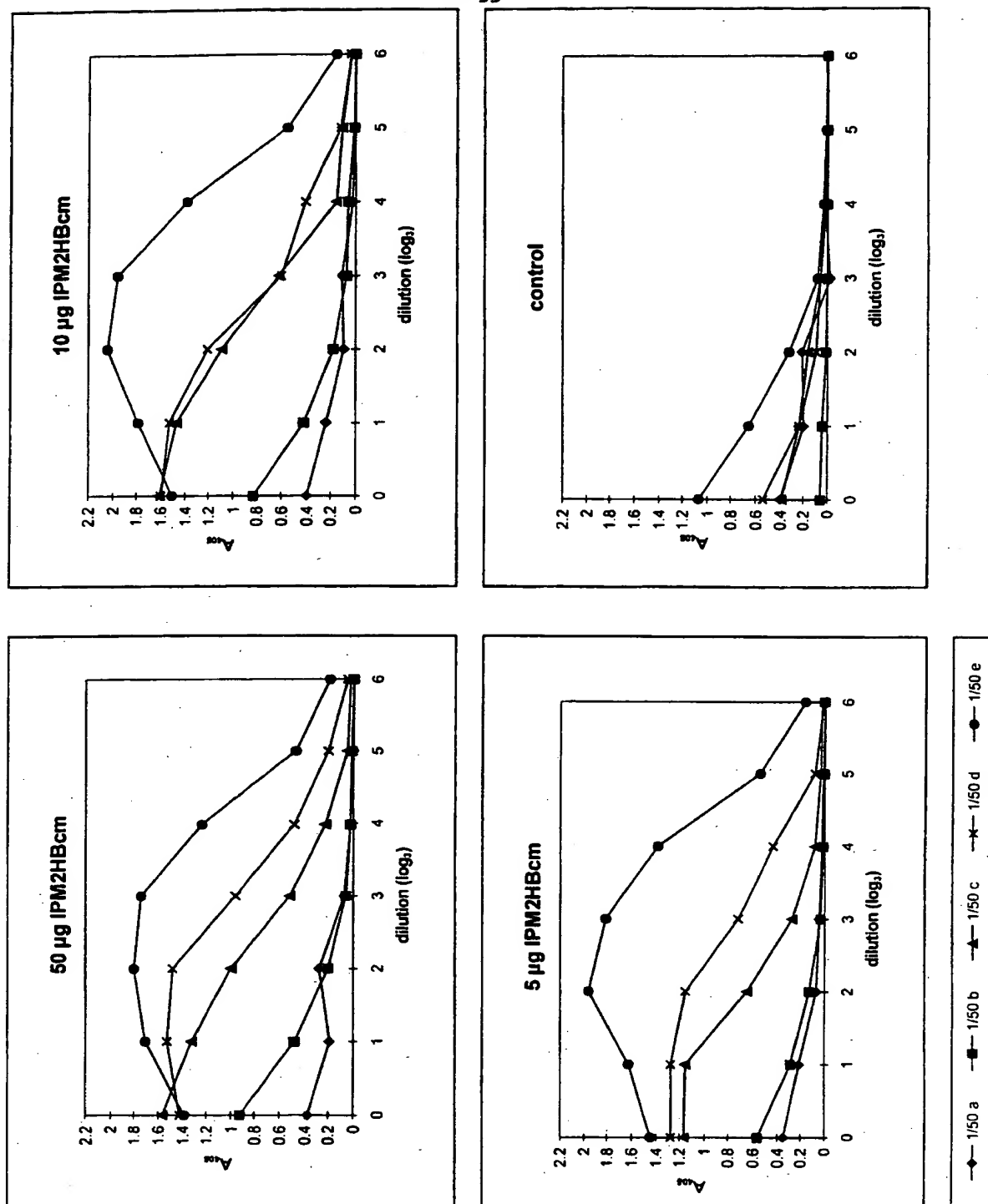


Figure 10

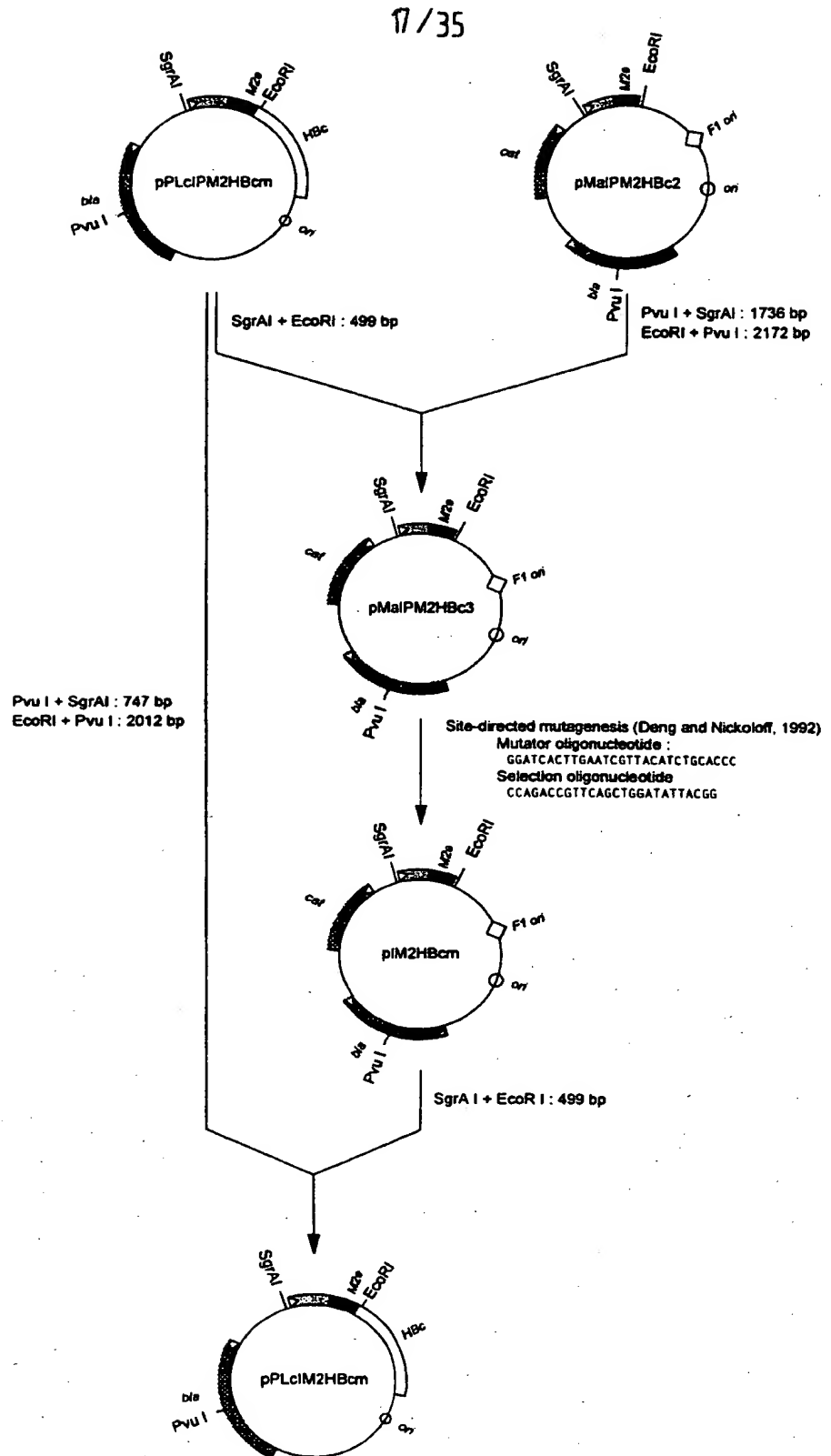


Figure 11

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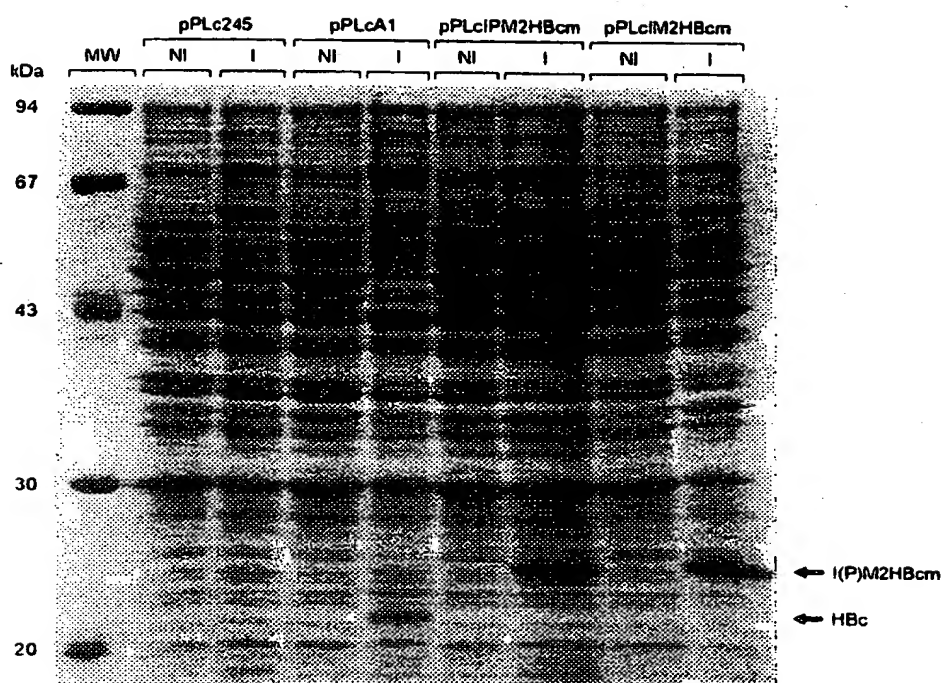
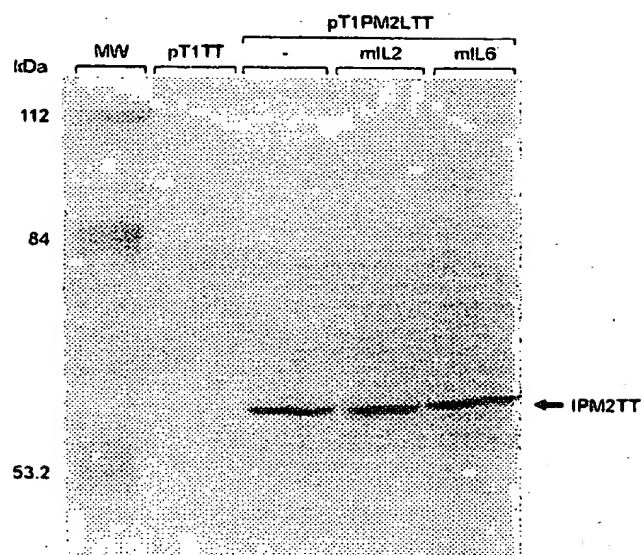


Figure 21



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Figure 12

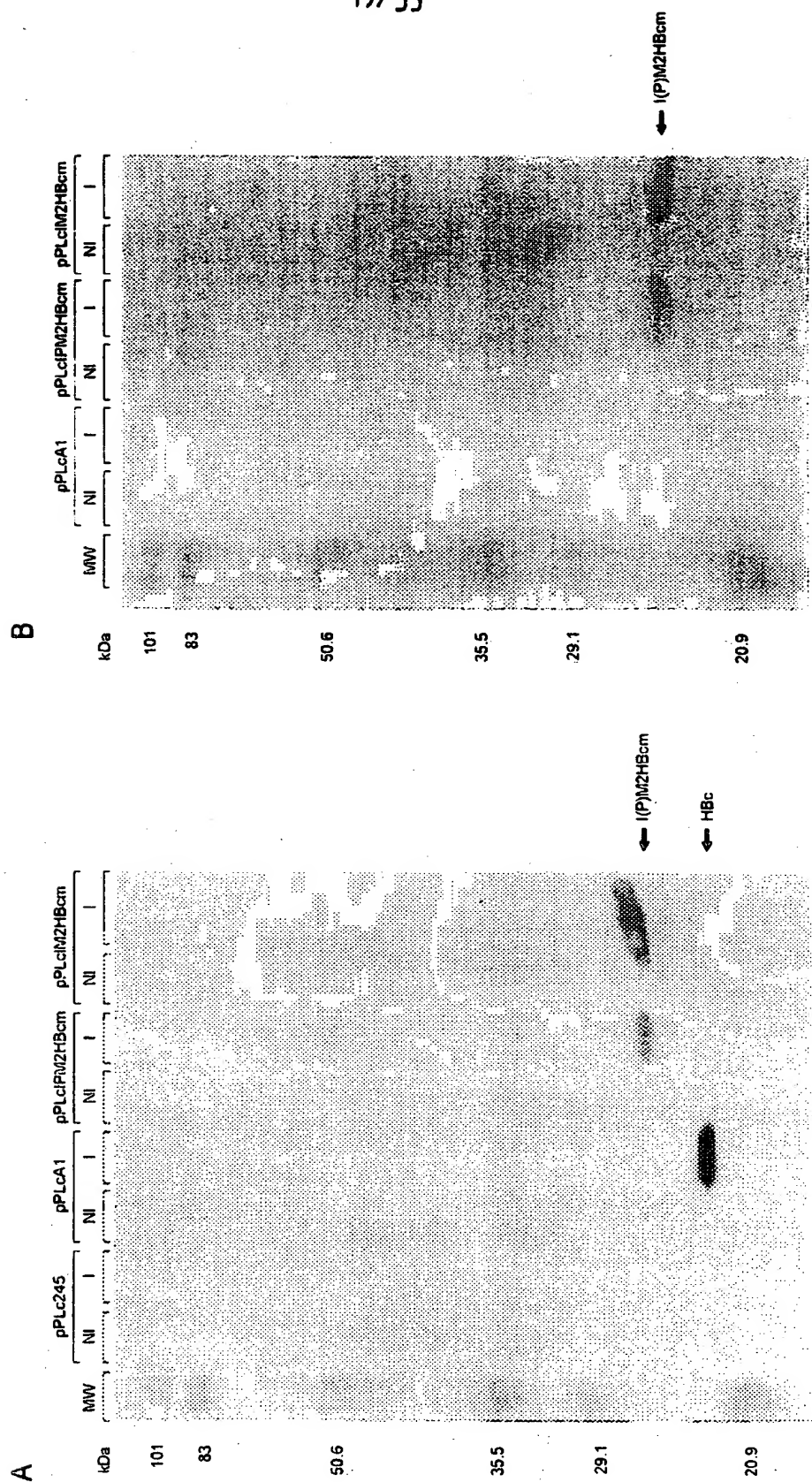


Figure 13

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HBcs (27-mer)

CATGGATATGGATCCTTATAAAGAATT
start

M2s (23-mer)

CATGTCTCTGCTGACCGAAGTTG
start

M2Ls (29-mer)

CATGTCTTTATTAACCGAAGTTGAAACCC
start

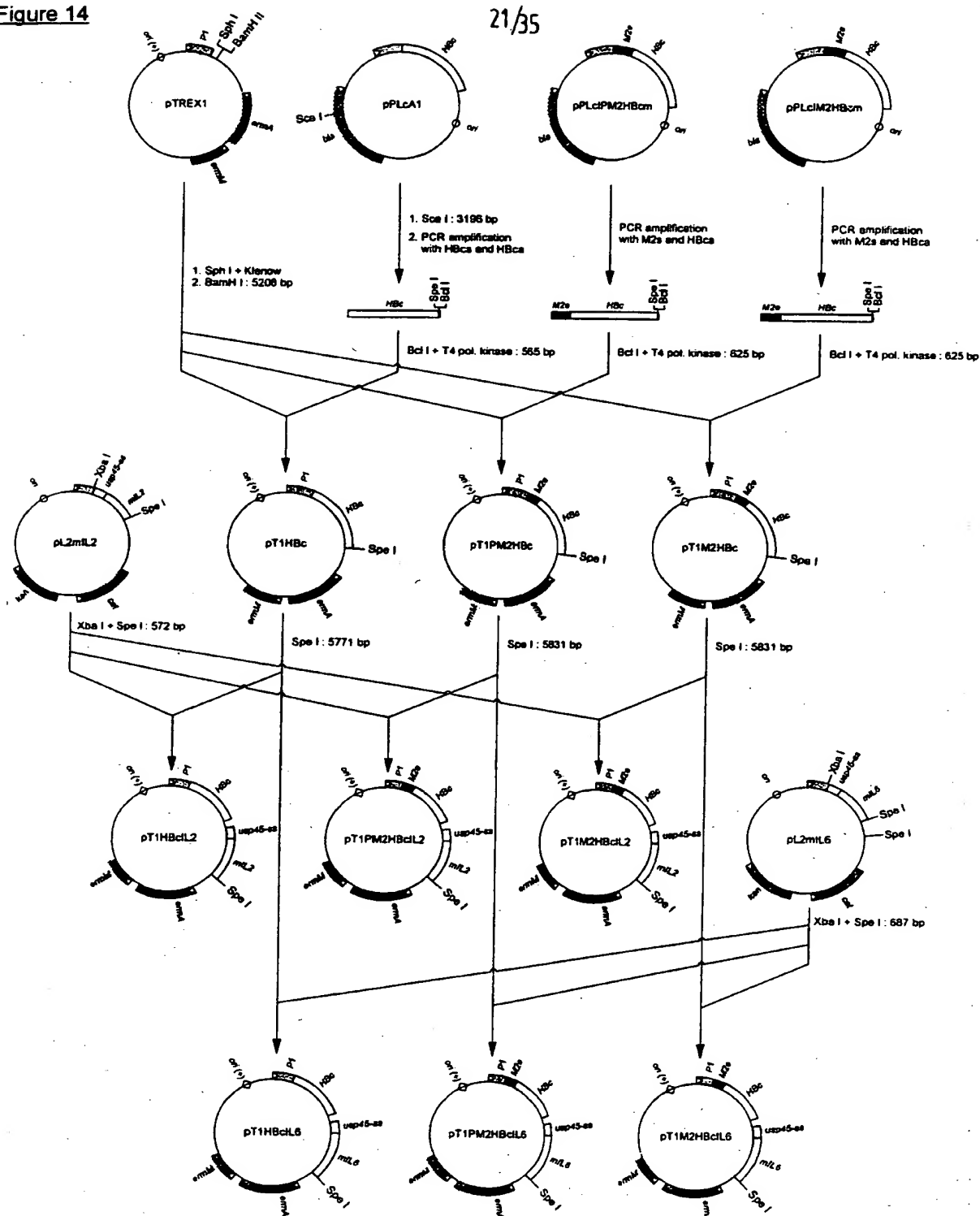
HBca (39-mer)

CGTGATCAACTAGTTCACTAACATTGAGATTCCCGAGAT
Bcl I Spe I stop

004020-94086460

Figure 14

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Figure 15

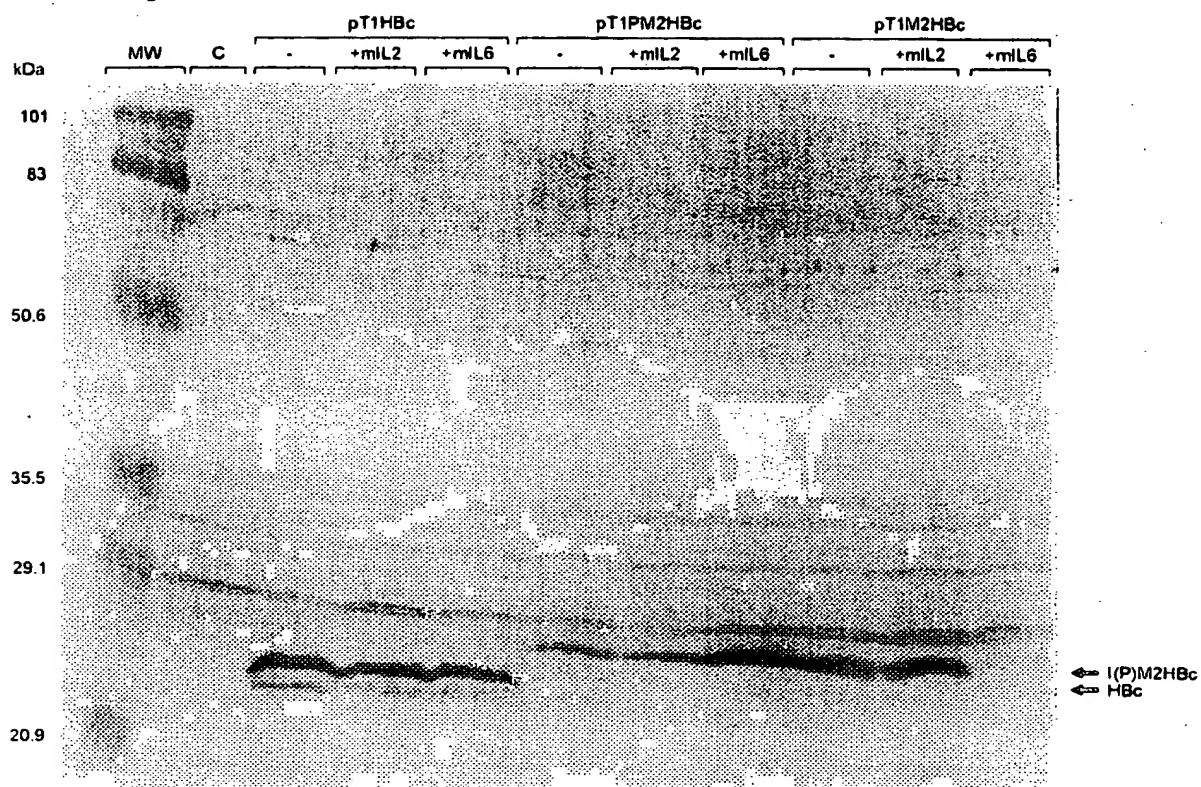


Figure 16

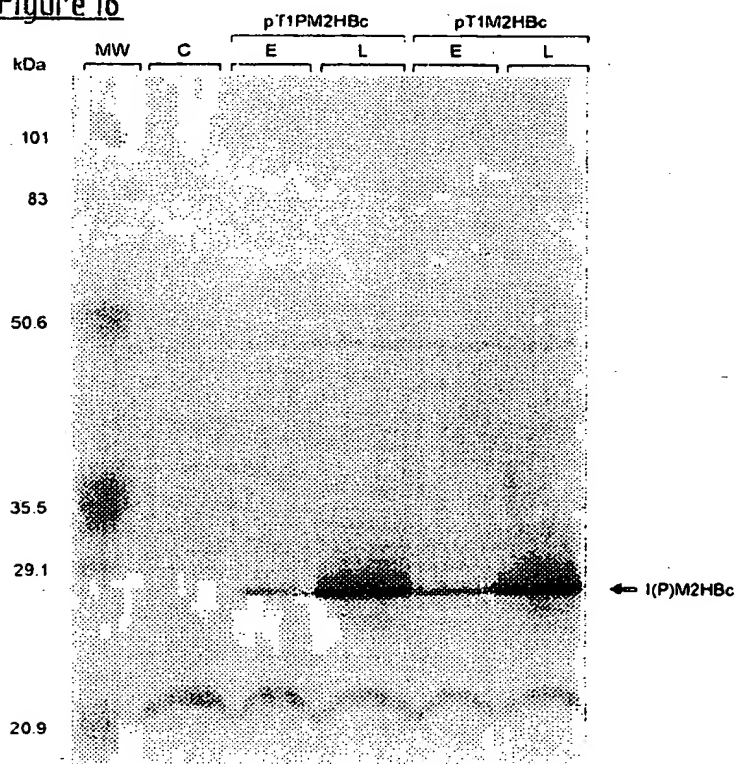


Figure 17

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M2Ca (33-mer)

CGGGATCCCCACTTGAATCGTTACATCTGCACC
BamH I

M2LSs (30-mer)

TCTTTATTAACCGAAGTTGAAACCCCTATC
Ser

C3ds (35-mer)

CCGCGCCCAACCGACGAGATCTCGGATCTACCCCC
Bgl II

C3da (38-mer)

GCACTAGTTCAAGGATCCGATCCGAACCTCTTCAGATCC
Spe I stop BamH I

004020-910866h60

Figure 18

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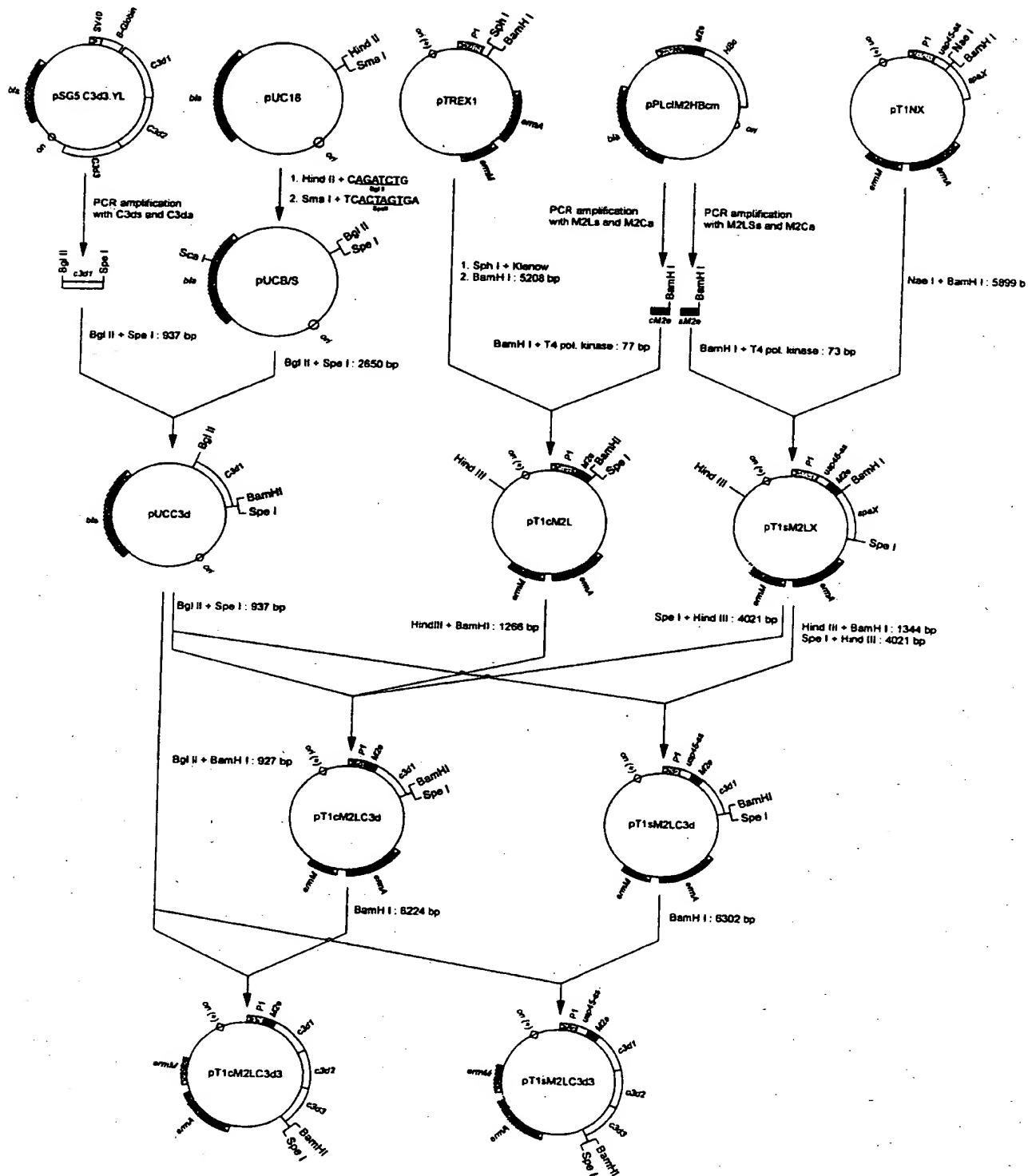


Figure 19

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TTFCs (35-mer)

CGGGATCCGACACCAATTCCATTTTCTTATTCTAA
BamH I

TTFCa (25-mer)

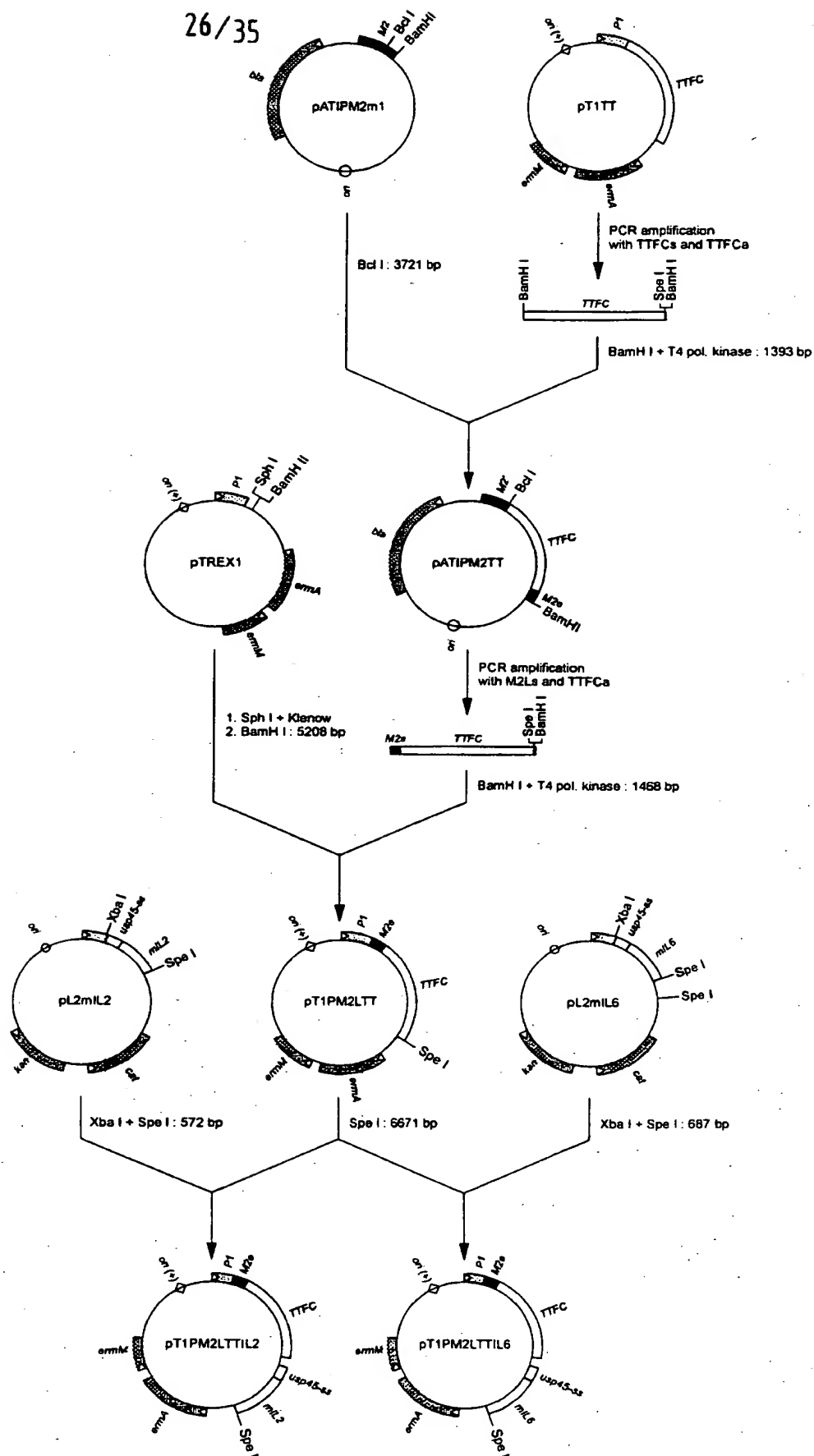
GGGGATCCACTAGTTTAATCATTTG
Bcl I Spe I stop

M2Ls (29-mer)

CATGTCCTTATTAACCGAAGTTGAAACCC
start

001020-94088460

Figure 20



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Figure 22

GP67s (25-mer)

GCTACTAGTAAATCAGTCACACCAA
SpeI

GP67a (33-mer)

CGAAGCTTGCCGGCAAAGGCAGAATGCGCCGCC
HindIII NaeI**Figure 23**

M2Ss (23-mer)

TCTCTGCTGACCGAAGTTGAAAC

UM2ECa (50-mer)

CGAAGCTTACTAGTTCACGGATCCCCACTTGAATCGTTGCATCTGCACCC
HindIII SpeI stop BamHI

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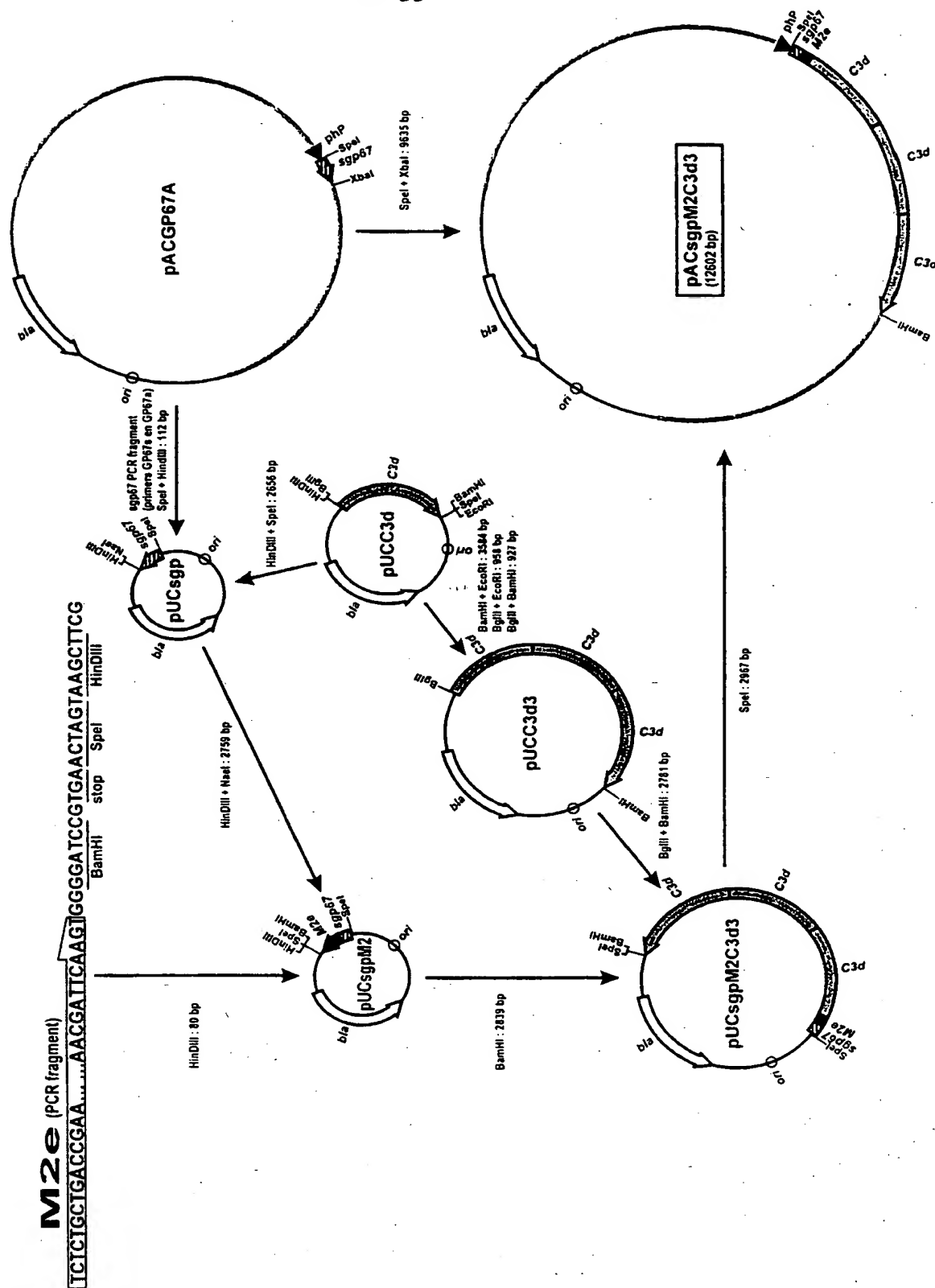
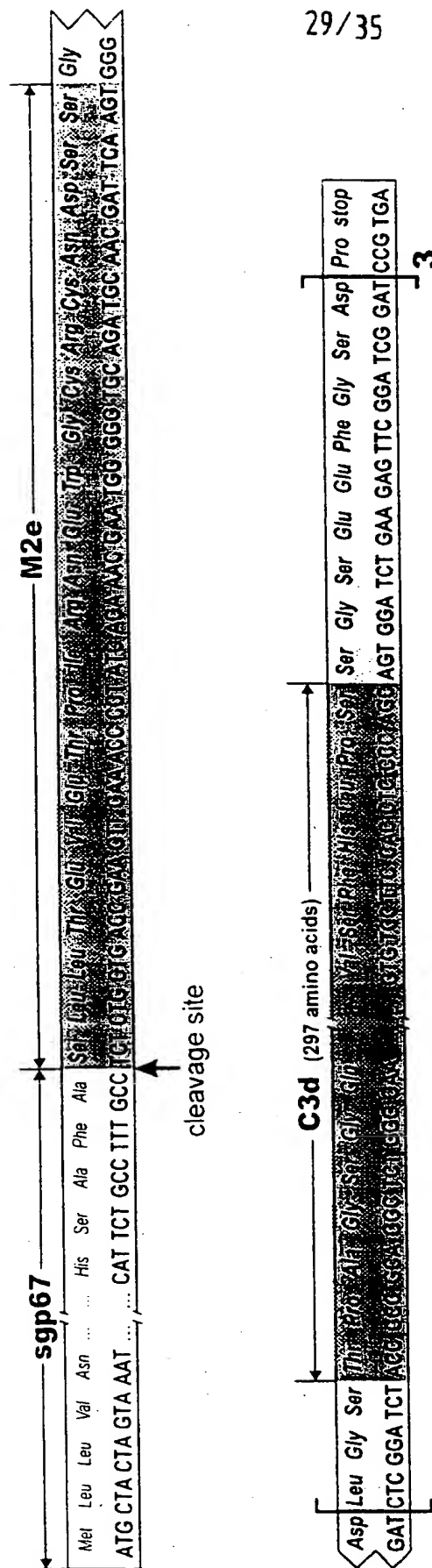


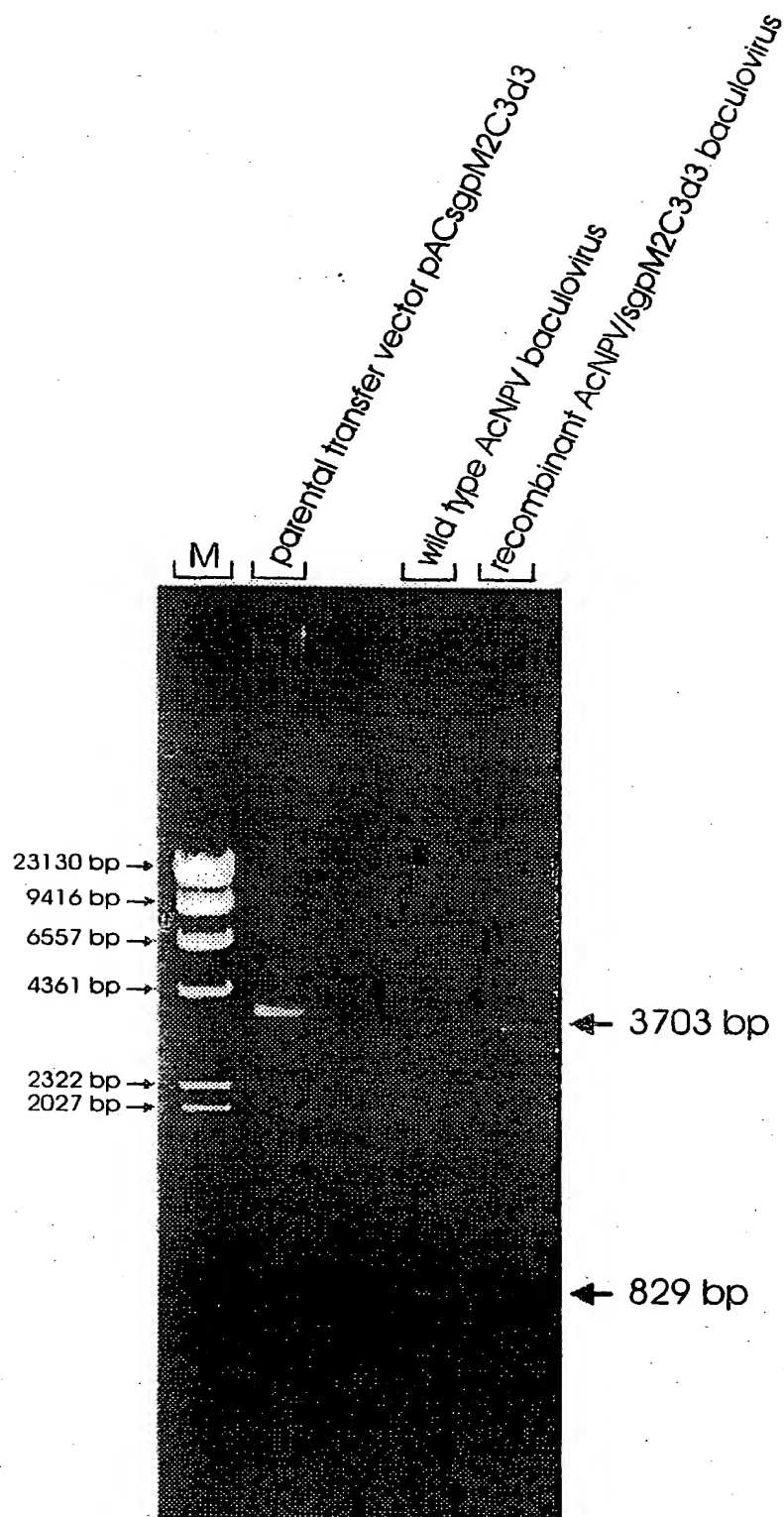
Figure 24

Figure 25

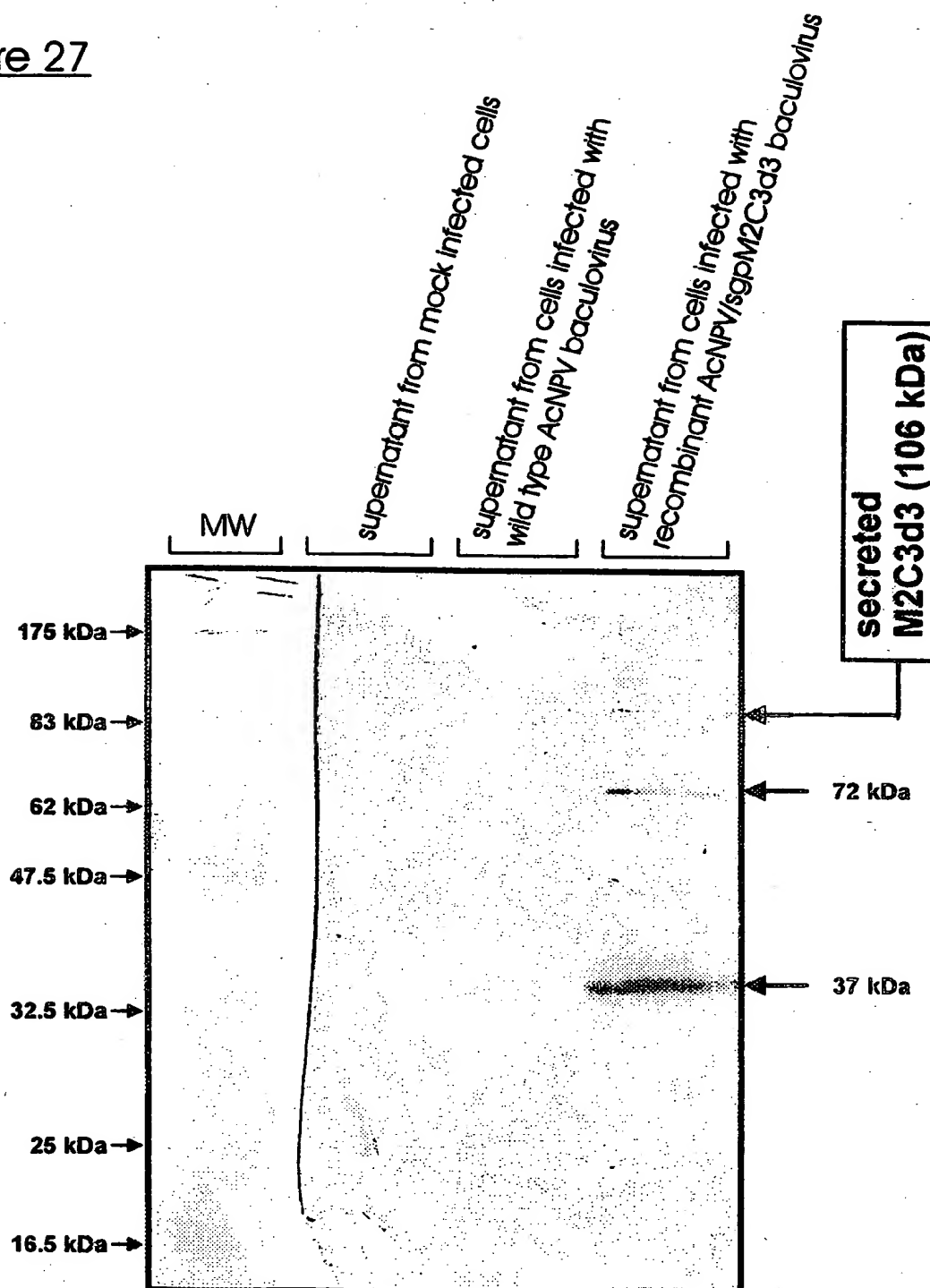


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Figure 26

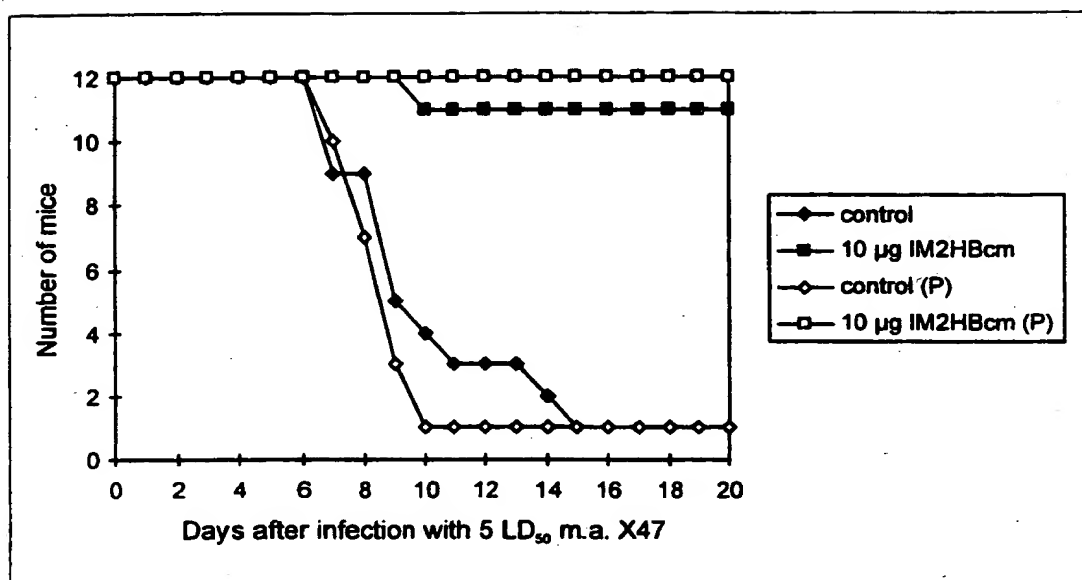


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Figure 27

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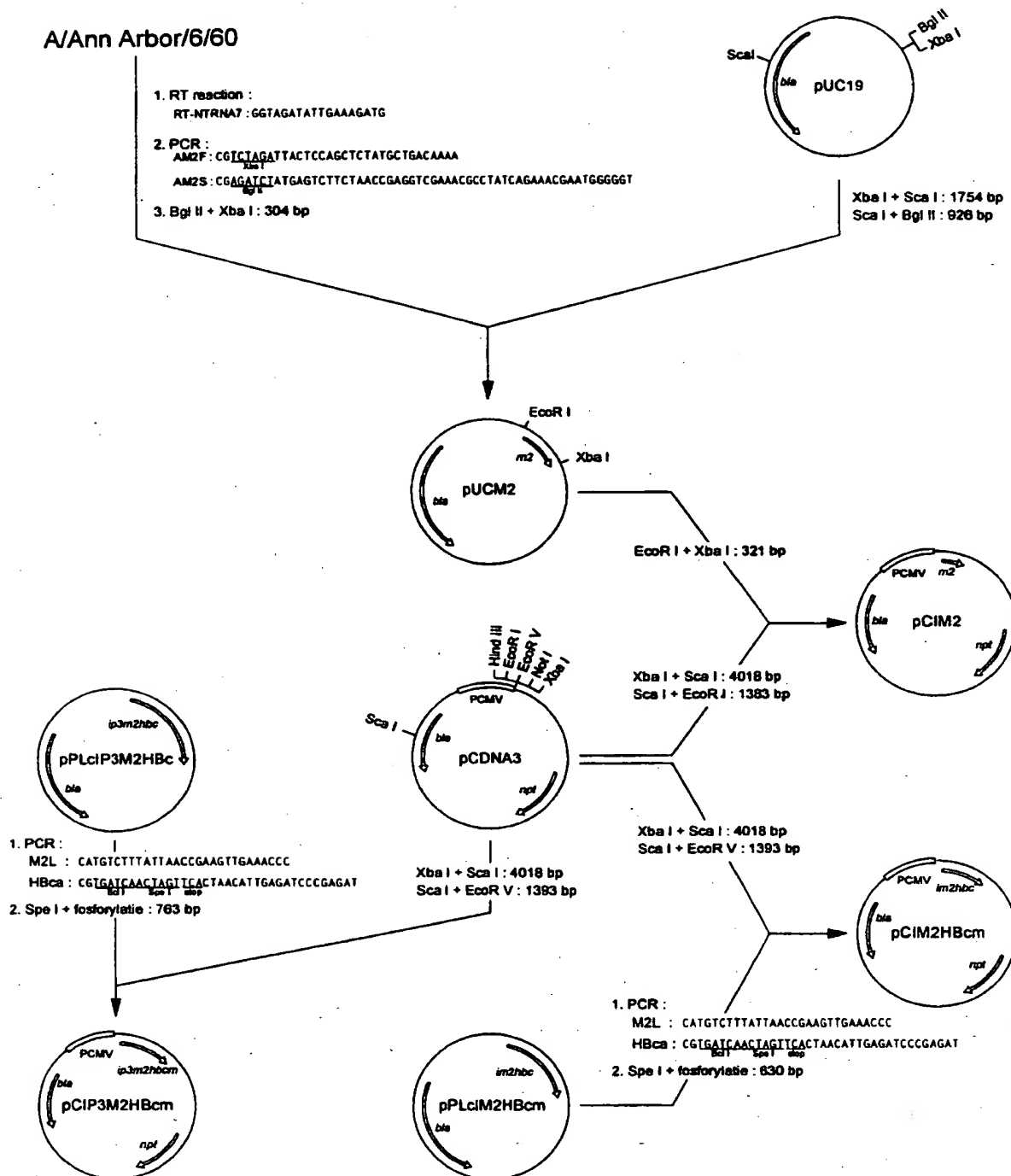
Figure 28



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Figure 29

A/Ann Arbor/6/60



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Figure 30

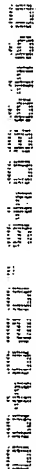


Figure 31

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